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DEPARTMENT  
OF  
INDUSTRIES AND LABOUR

# QUARTERLY BULLETIN

ELECTRICAL  
INSPECTION  
BRANCH



APRIL - 1958

## INSTALLATION OF ELECTRICAL EQUIPMENT ADJACENT TO VENT PIPES FOR UNDERGROUND GASOLINE TANKS.

In view of the possible accumulation of explosive vapours immediately adjacent to the open end of vent pipes for underground gasoline tanks at service stations and similar locations, adequate clearance must be maintained for standard electrical equipment, service drop conductors, etc.

In general, all such equipment must be maintained at a distance of six feet horizontally and ten feet vertically from the open end of the vent pipe.

In cases where it appears possible, due to the location of the vent pipe with respect to free air movement, that there may be an accumulation of vapours beyond the distances listed above, the electrical equipment must be approved for the location or increased clearances provided.

## COLOUR CODING.

A desirable standard for colour coding of multi-wire circuits was published in the Quarterly Bulletin of April 1956.

A rule designating the colour coding to be used where colour coded circuits are required is contained in the Seventh Edition of the Canadian Electrical Code and the coding specified is the same as that outlined in the above Quarterly Bulletin except that for three-phase circuits the coding will be red, black and blue for phases A, B and C instead of black, red and blue. This small change was made to bring the Code requirements for colour coding into closer uniformity with federal standards for metering equipment.

While colour coding is desirable throughout multi-wire and multi-phase installations, it is considered to be particularly important for service conductors where conductors in multiple are used and for all three-wire single-phase or three-phase four-wire distribution and branch circuits.

## SEVENTH EDITION - CANADIAN ELECTRICAL CODE.

September 1st, 1958, has been established as an approximate date for formal adoption of the Seventh Edition, Canadian Electrical Code.

Such local revisions as are considered necessary will also be adopted at the above time and these will include an effective date of January 1st, 1959, for Seventh Edition rules 6-042 (1), 12-034, 12-076 and 12-108. These rules cover requirements for main service protection and grounding throughout all non-metallic circuits and provision will be made when the new Code is adopted to continue on the basis presently used until the end of this year as far as those particular features are concerned.

In addition to the above revisions, due consideration will be given to comments submitted to the Inspection Department prior to May 31st, 1958, by the various representatives which were in attendance at the recent Provincial Code Committee meeting.

It is anticipated that notification of the adoption of the Seventh Edition, with any local revisions considered necessary, will be carried in the Quarterly Bulletin of next October and it is probable that inspections will be made on that basis subsequent to the end of October with the specific exceptions outlined above.

#### REPLACEMENT OF CERTIFICATES OF PROFICIENCY.

Since April 1st, a considerable number of applications have been received for replacement of existing certificates issued under the Tradesmen's Qualification Act by certificates issued under the Electrical Protection Act.

In a number of cases, the applicant has returned his identification card only and in others a remittance has been submitted with the application.

All concerned should note that it is necessary to return the actual certificate presently held in order that a new certificate may be issued in exchange. If the certificate returned is of the Journeyman Electrician type, a First Class Electricians Certificate will be issued in exchange for it. If the certificate returned is of the Restricted type, a Second Class Electricians Certificate will be issued in exchange.

With regard to exchange of the existing Restricted type of certificate, electricians are urged to consider the advisability of applying to re-write the examination in an endeavour to obtain a First Class Certificate. The Second Class certificate issued in exchange for the Restricted Certificate will carry the same limitations of 300 volts or 200 amperes.

(Over)

No fee is charged for certificates issued on an exchange basis. Certificates qualifying an individual to work at the trade but not authorizing him to obtain permits from the Provincial Inspection Department are renewable five years from the date of issue. At that time a fee of \$5.00 will be charged. Certificates authorizing the holder to obtain permits from the Provincial Inspection Department are renewable twelve months from the date of issue and at that time a fee of \$10.00 will be charged.

APPOINTMENT OF ASSISTANT CHIEF ELECTRICAL INSPECTOR.

Mr. G. W. Lawson has been appointed Assistant Chief Electrical Inspector, effective April 1st, 1958.